

**CLIENT: WESTERN SUGARS****LOCATION: FORT MORGAN, CO  
AND SCOTTSBLUFF, NE****INDUSTRY: SUGAR**

## PROJECT OVERVIEW

Honiron Manufacturing provided engineering, sizing, design, and fabrication of three (3) Falling Film Evaporators with entrainment less than 10ppm in the vapor outlets for Western Sugars.

Honiron Manufacturing designed, built, and stamped the FF Evaporators to ASME Section VIII, Division 1, 2013 edition and procured and provided the juice distributors for all three vessels. One Evaporator was supplied to the Fort Morgan factory and two were supplied to the Scottsbluff factory.

The FF Evaporators will help both factories double their slice rate and use steam more efficiently.

## ABOUT US

Honiron Manufacturing is a global manufacturing solutions provider of industrial process equipment covering the sugar, oil and gas, petrochemical, carbon black, and food processing industries. Combining operational expertise, single-source capabilities and proven processes, we provide innovative, high-value manufacturing solutions that meet our client's operational challenges - safely, efficiently, and cost-effectively.

## PROJECT SCOPE OF WORK

- Mechanical Engineering
- Process Design and Sizing
- Fabrication

## PROJECT DETAIL

- Design Pressure: 50psig/FV
- Design Temp: 320°F
- Surface Area: 60,000 sq ft each
- Vessel Diameter: 145"
- Vessel OAH: 98ft
- Tube Length: 40ft
- Internal Separators
- Material: Stainless Steel for Juice Wetted Components, Carbon Steel for Remainder